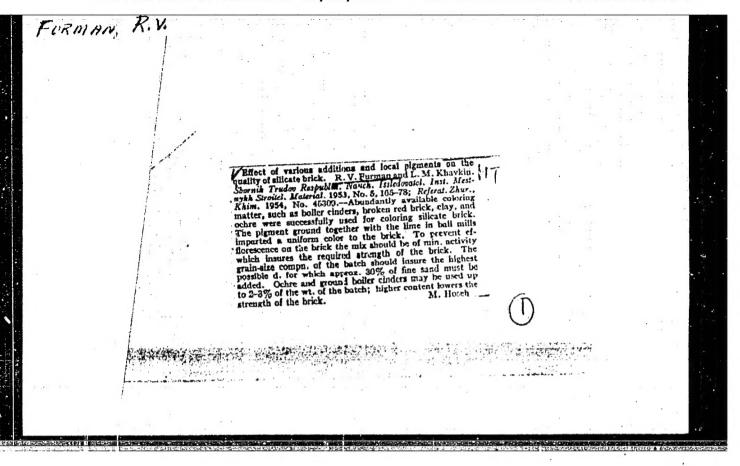
KRYNSKA, Joanna; CZERWINSKI, Wieslaw; FUMMAN, Roman; KLLWE, Zdzislaw

Two cases of cardial achalasic treated by surgery. Wiad. lek. 18 no.3:247-251 F 1 '65

1. Z I Kliniki Chorob Wewnetrznych Studium Doskonalenia Lekarzy (Kierownik: prof. r. med. W. Hartwig); z II Oddzialu Chirurgicznego Szpitala Bielanskiego IKierownik: doc. dr. med. W. Wiechno) i z Zakladu Radiologii Szpitala Bielanskiego (Kierownik: dr. med. J. Bowkiewicz).



EURMAN, I	K. ya.		
USSR/ Engl.	neering - Ceramics se	eparator	
Card 1/1	Pub. 104 - 11/14		
Authors	Furman, R. Ya.		
Title	Electromagnetic sep	parator of the horseshoe type f	for enriching tripoli
Part odtes	Stek. i ker. 11/3,	70 70 28 Nov 105/	
101100000	*Stek. 1 ker. 11/3,	page 20, 1101 1/74	
	A description is gi	iven of an electromagnetic device opper of a machine for preparity vice separates iron and ferrous	ng ceramic materials. The
Abstract	A description is gis placed in the he electromagnetic descended in the help coramic material.	iven of an electromagnetic device opper of a machine for preparity vice separates iron and ferrous	ng ceramic materials. The
Abstract	A description is gis placed in the he electromagnetic descended in the help coramic material.	iven of an electromagnetic device opper of a machine for preparity vice separates iron and ferrous	ng ceramic materials. The
Abstract Institution: Submitted:	A description is gis placed in the he electromagnetic descended in the help coramic material.	iven of an electromagnetic device opper of a machine for preparity vice separates iron and ferrous	ng ceramic materials. The

KHEYFETS, David Samuilovich; FURMAN, S.I., otv. red.; KOKORIN, Yu.I., red.; MARKOCH, K.G., tekhn. red.

["Temp-6" and "Temp-7" television receivers] Televizory "TEMP-6" i "TEMP-7." Moskva, Sviaz'izdat, 1963. 80 p. (Biblioteka "Televizionnyi priem" no.10) (MIRA 17:3)

ACC NR: AP6031961

SOURCE CODE: UR/0051/66/021/003/0357/0364

AUTHOR:

Furman, Sh. A.

ORG: none

TITLE: Synthesis of neutral antireflection coatings. II. Calculation of coatings for blooming of materials with a refractive index  $n \ge 2$  in a wide spectral range

SOURCE: Optika i spektroskopiya, v. 21, no. 3, 1966, 357-364

TOPIC TAGS: reflectivity, material reflectivity, reflection factor, blooming, antireflection coating, glass reflectivity, crystal reflectivity, semiconductor material reflectivity, REFRACTIVE INDEX, SPECIALIZED COATING

ABSTRACT: The author applies previous theoretical findings (Optika i spektroskopiya, v. 21, 1966, p. 82) to the calculation of two-, three- and four-layer anti-reflection coatings. The refractive indexes of neutral non-absorbing coatings of equal optical thickness are considered. The method is first applied to a substrate of oxygen-free glass with a refractive index to 2.4 and then is expanded to various index values from 2 to 4. In the case of two-layer coatings, the method yields two solutions: two pairs of coatings, which are equal in total effect but have different refractive indexes for each coating. In the case of three-layer coatings, four such equal solutions exist. For four-layer coatings, four combinations of coating material indexes are available for any refractive index of the substrate. The analysis shows the

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UDC: 535.391.5.001.1

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ACC NR: AP6033443

SOURCE CODE: UR/0051/66/021/004/0503/0508

AUTHOR: Furman, Sh. A.

ORG: none

TITLE: Synthesis of neutral antireflection coatings. III. Calculation of coatings that make articles of materials with refractive index  $n \le 2$  translucent in a wide spectral region

SOURCE: Optika i spektroskopiya, v. 21, no. 4, 1966, 503-508

TOPIC TAGS: optic coating, light reflection, refractive index, light transmission ABSTRACT: The first parts of the article were published in Opt. i spektr. v. 21, pp. 82 and 357, 1966. The theory developed in the earlier parts is used to calculate the refractive indices of coatings consisting of non-absorbing layers of equal optical thickness. These coatings make it possible to reduce greatly reflection from surfaces of materials having refractive indices n = 1.5 - 2.0, in a region with a wave-

faces of materials having refractive indices n = 1.5 - 2.0, in a region with a wavelength ratio 3:1. Tables are presented showing the refractive indices of the components of two-layer achromatic antireflection coatings as functions of the refractive index of the substrate for different ratios of the reflection to the transmission. Plots of the reflection coefficient for coatings consisting of 2, 3, and 4 layers are given as functions of a quantity  $\alpha$  defined in the earlier papers. Various methods of obtaining coating films from mixtures of substances (evaporation before and after mixing, coating with mixtures of solutions) are discussed. The optimum coatings for

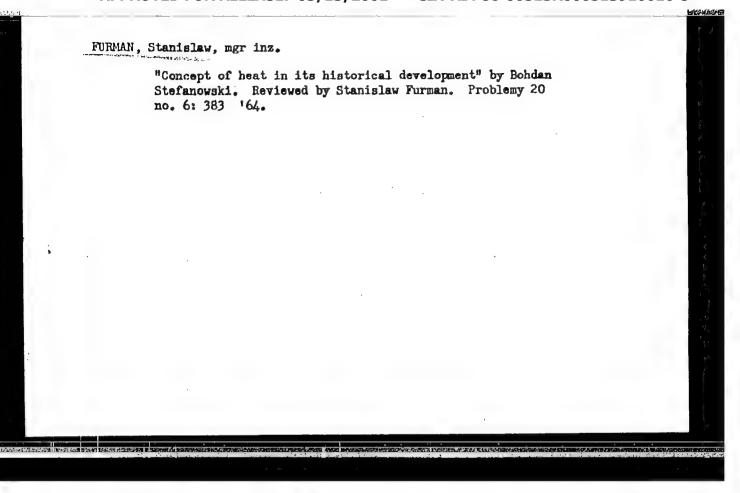
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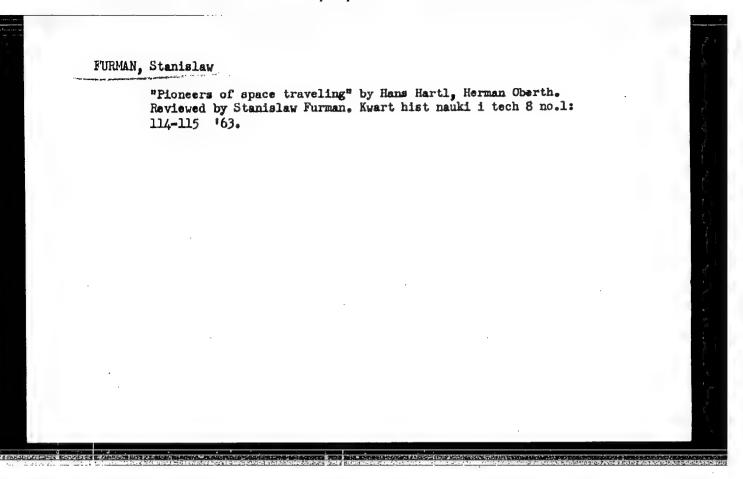
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ACC NR. AP6036694 SOURCE CODE: UR/0237/66/000/011/0035/0040 AUTHOR: Furman, Sh. A. (Candidate of sciences) ORG: none TITLE: Wideband bleachable coatings SOURCE: Optiko-mekhanicheskaya promyshlennost', no. 11, 1966, 35-40 TOPIC TAGS: optic coating, specialized coating, light reflection, refractive index, ABSTRACT: An investigation was made of coatings which make it possible, over a wide spectral range, to reduce considerably the reflection of light from the surface of glasses, crystals, and semiconducting materials having refraction indices from 1.5 to 4.0. The investigation was conducted under the assumption that the light impinges on the coating perpendicularly to its surface. The coatings were bounded on one side by the atmosphere  $(n_1 = 1)$  and on the other side by a semiinfinite non-absorbing backing with a refraction index  $n_{m+2}$  where  $n_2$ ,  $n_3$ , . .  $n_{m+1}$  are the refraction indices of layers. The refraction indices of neutral bleachable coatings, whose calculation was based on the theory of synthesis of spectral characteristics, are given. These coatings make it possible to reduce the reflection from the surface of glasses, crystals, and semiconductive materials with refraction indices between 2 and 4 over a range of wavelengths linked by the ratio 3:1 for two-layer coatings and 5:1 for three- and four-layer coatings. In materials with a refraction index n = 1.5-2.0, Card 1/2 VDC: 539.216.22:535

the region of 3:1. The refr in the range f of such coatin within the ran Presently, thi different refr	low refracticaction indicaction 1.31 to ge is that the ge from 1.31 is is possible action indication.	3.30. The ney must po to 3.30 are by produces. Orig.	main diffi pasess one ad be trans ling the fi art. has:	culty is of the sparent state in the state i	ed bleacher the practintermediation the necessity of the necessity of the process of the precess	able coat: ctical refractions essary spaces e of mate gures, ar	ings were alization ction indices	
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SAMOYLOV, G.P.; FURMAN, S.L.

Universal stand for testing kinescopes. Vest. sviazi 24 no.2: 8-10 F '64. (MIRA 17:4)

1. Glavnyy inzh. Televizionnogo tresta Ministerstva svyazi SSSR (for Samoylov). 2. Nachal'nik Tekhnicheskogo otdela TSentral'nogo proizvodstvenno-eksperimental'nogo televizionnogo predpriyatiya Televizionnogo tresta Ministerstva svyazi SSSR (for Furman).

DUBINSKIY, Leonid Mikhaylovich; FURMAN, S.L., otv. red.; FUFAYEVA, M.N., red.

[Power supply of television receivers] Bloki pitaniia televizionnykh priemnikov. Moskva, Sviaz', 1964. 93 p. (Biblioteka "Televizionnyi priem, no.15) (MIRA 17:12)

SAMOYLOV, G.P., otv. red.; FURMAN, S.L., otv. red.; FUFAYEVA,
M.N., red.

[Television receivers; a reference album] Televizionnye
priemniki; al'bom spravochnik. Moskva, Sviaz', 1964.

71 p. (Biblioteka "Televiziomyi priem," no.16)

(MIRA 18:4)

SAMOYLOV, G.P.; FURMAN, S.L.

Stand for checking standardized wound components. Vest. sviazi 24 no.8:7-9 Ag 164. (MIRA 17:10)

l. Clavnyy inzh. televizionnogo tresta Ministeratva svyazi SSSR (for Camoylov). 2. Nachalinik tekhnicheskogo otdela TSentralinogo proizvodstvenno-eksperimentalinogo televizionnogo predpriyatiya televizionnogo tresta (for Furman).

SHENDEROVICH, Abram Movshevich; FURMAN, S.I., otv. red.; KONDRAT'YEVA, V.P., red.

[Audic signal amplifiers of television receivers] bsiliteli signalov zvukovogo soprovozhdeniia v televizionnom priemnike. Moskva, Sviaz', 1965. 78 p. (Biblioteka "Televizionnyi priem, no.22) (MIRA 18:10)

FURMAN, S.P.; GRIBIN, G.P., otv.red.; PEVZNER, A.S., zav.red.izd-va; RUDAKOVA, N.I., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g.

Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam.

Sbornik 29. [Assembling the crushing, milling, grading, and processing equipment] Montazh drobil'no-razmol'nogo oborudovaniia i oborudovaniia dlia sortirovki i obogashcheniia. No.1. [Crushing snd milling equipment] Drobil'no-razmol'nos oborudovanie. 1960. 46 p.

(MIRA 13:6)

1. Hussia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Hormativno-issledovatel'skaya stantsiya No.15 kombinata "Stalinshakhtostroy" Stalinskogo sovnarkhoza (for Furman). (Wages) (Crushing machinery)

ACC NR: AP6025956

SOURCE CODE: UR/0051/66/021/001/0082/0090

AUTHOR: Furman, Sh. A.

ORG: none

TITLE: Synthesis of neutral transparent coatings. I. Theoretical principles of the synthesis of spectral characteristics

SOURCE: Optika i spektroskopiya, v. 21, no. 1, 1966, 82-90

TOFIC TAGS: refractive index, optic coating, approximation method

ABSTRACT: Nonabsorbing systems consisting of many layers of equal optical thickness are examined. The synthesis in this case depends on the determination of the refractive indexes of the coatings, which makes it possible to optimally approach the given curve in the desired region of the spectrum. A detailed discussion is given of the method used to make the approximate calculations and the steps to be taken to obtain the best approximation of the desired curve. The solution of the system of quadratic equations proximation of the calculations is derived and the method used to calculate the refractive needed for the calculations is derived and the method used to calculate the refractive indexes of the coatings is given. The calculation of neutral transparent coatings in terms of the given theory will be given in the next paper. Orig. art. has: 37 formulas.

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OTH REF: 001

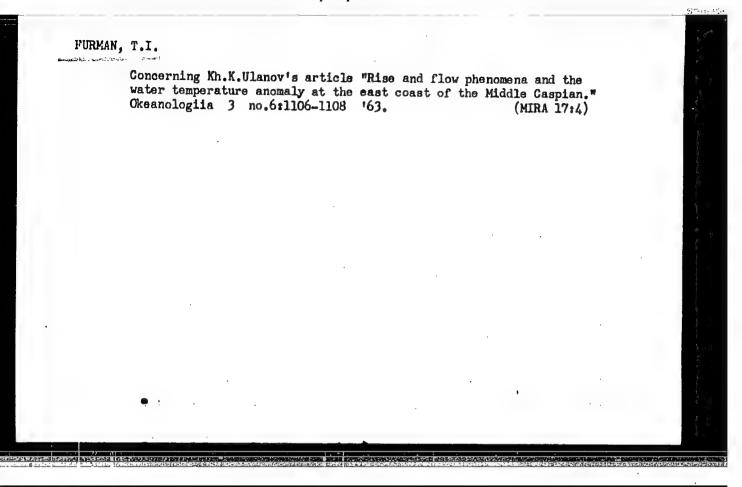
UDC: 535.391.5

Card 1/1

29187 Rataionalizirovat' samet Makidnykh nevadov. Ryb. Khoz-vo, 1949, No. 9 S. 10-11

SO: Letopsi: Zhurnallnykh Statey, Vol. 39, Moskov, 1949

FURMAN, T.I.



S/169/62/000/012/078/095 D228/D307

AUTHOR:

Furman, T.I.

TITLE:

Water temperature of deep layers of the Middle

Caspian

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 12, 1962, 20-21, abstract 12V143 (Izv. AN AzerbSSR, Ser. geol.-geogr. n. i nefti, no. 1, 1962, 125-134 (summary in Azerb))

TEMT: The data of observations in the last 20-30 years were used. On the profile Divichi-Kenderli observations have been conducted since 1935. Operations on the profile Derbent-Cape Peschany were carried out in 1956. The data of 5 stations (3 on the lst profile and 2 on the 2nd), at which 77 measurements were made in all, were used to characterize benthonic waters. The measurement depth was 470-780 m (550-600 m on an average); the distances of the measurements from the bottom were 2-75 m (the average being about 18 m). According to data for the last 2-3 years a temperature ranging from 3.80 to 5.35° (an average of 4.73°) is, on the whole,

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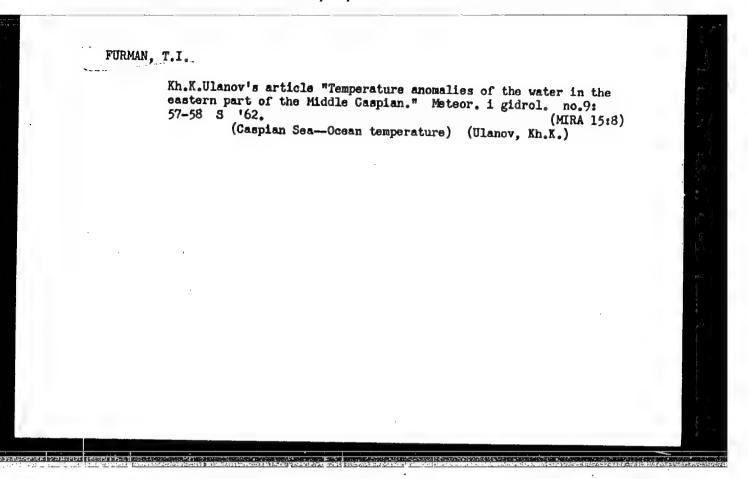
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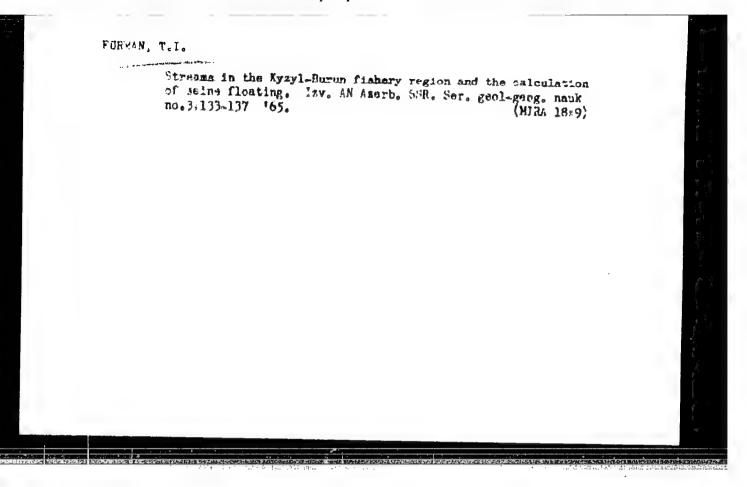
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characteristic of the waters under consideration; the position of the boundary of waters with a temperature of about 5° varies from 170 to 590 m (about 350 m on an average). The maximum water temperature for the benthonic layer is 5.34-5.35°. Here a high temperature was usually observed in the cold season. At times the observed increase of temperatures near the bottom is not characteristic of the area.

Abstracter's note: Complete translation 7

Card 2/2





## FURMAN, V.; VRSCAJ, V.; DEKLEVA, J.

Nier's metallic mass spectrometer, p. 2. ELEKTROTEHNISKI VESTNIK.

(Institut za elektrisko gospodarstvo, Fakulteta za elektrotehniko in
Institut za elektrozveze) Ljubljana. Vol. 23, no. 11/12, 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

FURMAN, V.B., student V kursa; MARTYNOV, M.V., dotsent, kand.tekhn.mauk

Investigation of a d.c. double-drive differential, traction engine.

Nauch. rab. stud. GNSO MGI no.7:151-167 1959. (MIRA 14:5)

(Electric locomotives)

(Mine railroads)

## "APPROVED FOR RELEASE: 03/13/2001 CIA-F

CIA-RDP86-00513R000513910016-5

GRANOVSKIY, B.S., hand. tekhn. nauk; FURMAN, V.B., inzh.; VULIS, N.L., inzh.

Builts in power cable for supplying power and regulating the operation of borer mechanisms in core drilling equipment for shafts. Shakht. stroi. 8 no.10:16-19 0 '64. (MIRA 17:12)

1. TSentral'nyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut podzemnogo i shakhtnogo stroitel'stva.

IYU YUYAN' [Liu Yuan]; PYATOV, N.I.; SOLOV'YEV, V.G.; SILIN, I.N.; FURMAN, V.I.

Properties of strongly deformed nuclei. Zhur. eksp. i teor. fiz. 40 no.5:1503-1510 My '61. (MJRA 14:7)

1. Ob"yedinennyy institut yeadernykh issledovaniy.
(Nuclei, Atomic)

ZANHAR'YEV, B.N.; PYATOV, N.I.; FURNAN, V.I.

Matrix elements of A-transitions. Zhur. eksp. i tecr. fiz.
41 no.5:1669-1672 N'161. (MIRA 14:12)

1. Ob"yedinennyy institut yadernykh issledovaniy.
(Quantum theory) (Beta rays—Decay)

NELVEDYUK, K.; SALATSKIY, V.I.; SYZOV, I.V.; FURMAN, V.I.; SARANTSEV, V.R., tekhn. red.

[Angular distributions of  $\[ \] \sim$  -particles and total cross sections for the reaction  $G^{12}(t, \[ \] \sim$  o)Bll]Uglovye raspredeleniia  $\[ \] \sim$  - chastits i polnye secheniia reaktsii  $G^{12}(t, \[ \] \sim$  bll.

Dubna, Ob<sup>n</sup>edinennyi in-t iadernykh issledovanii, 1962. 6 p. (MIRA 15:12)

(Alpha rays) (Nuclear reactions)

SOURCE CODE: UR/0048/66/030/002/0255/0256  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Krasnov, L.V.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Kikitins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Kikitina, V.I.;  UTHOR: Gridnev, K.A.; Kikitins, I.N.; Luk'yanov, V.K.; Kukhtins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridney, K.A.; Kikitins, I.N.; Luk'yanov, V.K.; Kikitina, V.I.;  UTHOR: Gridney, K.A.; Kikitins, I.N.; Luk'yanov, V.K.; Kikitins, I.N.; Luk'yanov, V.K.; Kikitins, I.N.; Luk'yanov, V.K.; Kikitins, V.I.;  UTHOR: Gridney, K.A.; Kikitins, I.N.; Luk'yanov, V.K.; Kikitins, I.N.; Luk
RG: none  STILE: Calculation of direct nuclear reactions by the distorted wave method/Report ifteenth Annual Conference on Nuclear Spactroscopy and Nuclear Structure, held at  Sinsk, 25 January to 2 February 1965/  OURCE: AN SSSR. Izvestiya.Seriya fizicheskaya, v. 30, no. 2, 1966, 255-256  OPIC TAGS: huclear reaction, mathematic method, direct-nuclear machine caripping reasulon, distorted wave approximation, water analysis.  BSTRACT: The authors have employed an electronic computer to calculate differential ross sections for (d,p) reactions in the distorted wave approximation under the collowing simplifying assumptions: 1) the range of the nuclear forces is zero (the
RG: none  STILE: Calculation of direct nuclear reactions by the distorted wave method/Report ifteenth Annual Conference on Nuclear Spactroscopy and Nuclear Structure, held at  Sinsk, 25 January to 2 February 1965/  OURCE: AN SSSR. Izvestiya.Seriya fizicheskaya, v. 30, no. 2, 1966, 255-256  OPIC TAGS: huclear reaction, mathematic method, direct-nuclear machine caripping reasulon, distorted wave approximation, water analysis.  BSTRACT: The authors have employed an electronic computer to calculate differential ross sections for (d,p) reactions in the distorted wave approximation under the collowing simplifying assumptions: 1) the range of the nuclear forces is zero (the
ITLE: Calculation of direct nuclear reactions by the distorted wave method/Report ifteenth Annual Conference on Nuclear Spectroscopy and Nuclear Structure, held at
insk, 25 January to 2 February 1965/ OURCE: AN SSSR. Izvestiya.Seriya fizicheskaya, v. 30, no. 2, 1966, 255-256 OPIC TAGS: nuclear reaction, mathematic method, direct-nuclear reaction, mathematic me
insk, 25 January to 2 February 1965/ OURCE: AN SSSR. Izvestiya.Seriya fizicheskaya, v. 30, no. 2, 1966, 255-256 OPIC TAGS: nuclear reaction, mathematic method, direct-nuclear reaction, mathematic me
OURCE: AN SSSR. Izvestiya.Seriya fizioheskaya, v. 30, no. 2, 1966, 255-256  OPIC TAGS: nuclear reaction, mathematic method, direct-nuclear reaction, mathe
OURCE: AN SSSR. Izvestiya. Seriya fizioheskaya, v. 30, no. 2, 1966, 255-256  OPIC TAGS: nuclear reaction, mathematic method, direct-nuclear reaction, math
BSTRACT: The authors have employed an electronic computer to calculate differential ross sections for (d,p) reactions in the distorted wave approximation under the collowing simplifying assumptions: 1) the range of the nuclear forces is zero (the
BSTRACT: The authors have employed an electronic computer to calculate differential ross sections for (d,p) reactions in the distorted wave approximation under the collowing simplifying assumptions: 1) the range of the nuclear forces is zero (the collowing simplifying assumptions) and 2) there is no spin-orbital coupling
BSTRACT: The authors have employed an electronic computer to calculate differential ross sections for (d,p) reactions in the distorted wave approximation under the collowing simplifying assumptions: 1) the range of the nuclear forces is zero (the
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the calculated angular distribution of protons from the Fe <sup>56</sup> (d,p)Fe <sup>57</sup> reaction with
n incident deuteron energy of6.6MeV is compared with the angular distribution alculated in the plane wave approximation (Butler's theory) and with experimental
lata of V.P.Bochin, K.I.Zhorebtsova, V.S.Zolotarev, V.A.Komarov, L.V.Krasnov,
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KURNIEWICZ-WITCZAKOWA, Romana; FURMAN, Wlodzimierz

Analysis of methods in functional examination of foot in normal men. Polski tygod. lek. 14 no.13:562-566 30 Mar 59.

1. (Z Zakladu Antropologii: kier. doc. A. Godlewski i z Zaklady Rentgenologicznego: kier. doc. W. Czarnocka-Karpinska Akademii Wychowania Fizycznego w Warszawie) Adres: Wanszawa, ul Marymoncka 90. A.W.F. (FOOT

anat. & funct. tests (Pol))

BOWKIEWICZ, Janusz; FURMAN, Wlodzimierz; SLONIEWICZ, Witold; TUBIELEWICZ, Jaroslaw; ZALUSKA, Jozef

Lymphography with the use of oily contrast media. Pol. przegl. radiol. 27 no.6:493-499 163.

1. Z Pracowni Rentgenodiagnostycznej Miejskiego Szpitala Bielanskiego w Warszawie Kierownik: dr med. J. Bowkiewicz Z Oddzialu Chirurgii Ogolnej Miejskiego Szpitala Bielanskiego Ordynator: doc. dr med. W. Wiechno. (IYMPHOGRAPHY) (CONTRAST MEDIA)

Bunkiesicz, Janus; Fukiak, Włodzimierz; Sickiesicz, divolog i Mas, Jozef

Radiological matemy of the Man and Diffur by wills system.
Pol. przegl. vadiol. 22 no.51389-Will 3-0 Will

1. Z Pracowni Rentgenodiagnostycznej Miejskiego Suminala
Biolanskiego w Marsaawie (Kierownika dr. med. J. Boukiewicz)
i z Cidzialu Chirurgli (golnej Miejskiego Szylbala Bielanskiego
w Marszawie (Kiorownika doc. dr. med. W. Masiko).

BONKHIWICZ, Janusz, BUISKA, Halgorzata; FLIMIN, Włodzimi i, KOBUSZEWSKA.
FARYNOWA, Maria; KUCHARCZYK, Kazimierz; SZUCHA, Halina; ZALUSKA,
Jozef

Lymphography in cases of early cancer of the cervix uteri (preliminary communication). Pol. przegl. radiol. 28 no.5:395-400 S-0 '64

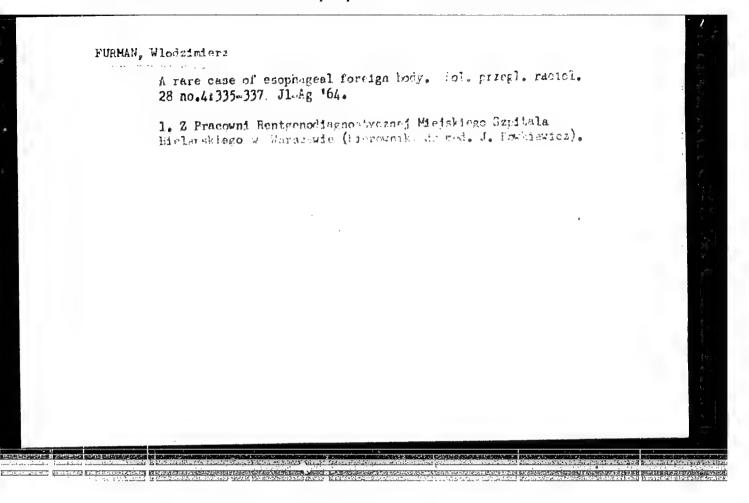
1. Pracowni Rentgene Hagnestycznej Szpitala Bielenskiego w Warszawie (Kierownik: dr. med. J. Bo Miewicz); z Katedry Poloznictwa i Ginekologii Studium Doskowalenia Lekarzy w Warszawie (Kierownik: prof. dr. med. M. Bulska) i z Oddzialu Chirurgii Ogolnej Szpitala Bielanskiego w Warszawie (Urdynator: doc. dr. med. W. Wiechno).

BENKISHICZ, Jenusz; FURMAN, Włodzinierz; ZAMESPA, Jozef
Aduptation of the bone table x-ray apparatus FO-10 for obtominal angiography. Fol. przegl. radiol. 23 no.55191-191 (1-0 MA)

1. 7 Pracomi Rentgenodiagnostycznej Miejskiego Sopitala Bielanskiego w Warszawie (Kierownik: dr. med. J. Bowkiewicz).

#### "APPROVED FOR RELEASE: 03/13/2001

#### CIA-RDP86-00513R000513910016-5



BOWKIEWICZ, Janusz; FURMAN, Wlodzimierz; ZALUSKA, Jozef

Multiscope 10. Pol. przegl. radiol. 28 no.4:381-382 Jl-Ag '64.

1. Z Pracowni Rentgenodiagnostycznej Miejskiego Szpitala Bielanskiego w Warszawie (Kerownik: dr med. J. Bowkiewicz).

HOWKIEWICZ, Janusz; FURMAN, Wlodzimierz; ZALUSKA, Jozef

Ramote control drum seriograph for arteriographic examination of extremities. Pol. przegl. radiol. 28 no.4:383-387 Jl-Ag '64.

1. Z Pracowni Rentgenodiagnostycznej Miejskiego Szpitala Bielanskiego w Warszawie (Kierownik: dr med. J. Bowkiewicz).

BOWKIEWICZ, Janusz; FURMAN, Włodzimierz; ZAIJISKA, Jozef

The 4-compartment wall or mobile negatoscope. Pol. przegl.
radiol. 29 no.3:349-351 My-Je '65.

1. Z Pracowni Rentgenodiagnostycznej Miejskiego Szpitala
Bielanskiego w Warszawie (Kierownik: dr. med. J. Bowkiewicz).

PETROV, L.K., kand.tekhn.nauk; GRINSHTEYN, Kh.R., inzh.; FURMAN, Ya.A., inzh. Production of agloporite from lean clayey rock in the White Russian S.S.R. Sbor.trud.VNIINSM no.6:136-150 '62. (MIRA 15:12) 1. Nauchno-issledovatel'skiy institut stroitel'nykh materialov Soveta narodnogo khozyaystva Belorusskoy SSR.

(White Russia-Clay) (Aggregates (Building materials))

FURMAN, Yakov Borisovich; SUVOROV, I.K., redaktor; GOLYATKINA, A.G., redaktor izdatel stva; ATTOPOVICH, M.K., tekhnicheskiy redaktor

[Assistant operators of shape mills] Podruchnyi val'tsovshchika sortovykh stanov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956. 220 p. (MLRA 10:1) (Rolling mills)

FURMAN, YA. B. PA - 2389 BAKHTINOV, B.P., FURHAN, YA.B., SHTERNOV, M.M., Metallurgical Combination of Magnitogorsk (Magnitogorskiy AUTHOR: metallurgicheskiy kombinat). Book Review: CHEKMAREV, A.P. and MOSHKOVTSEV, P.A., "Wear of Rollers . . . . in Rolling Mills" ("Iznos prokatnykh valkov", Russian). TITLE: Moscow-Charkov, Metallurgizdat, 1955, 147 pages, 89 illustrations. Stal', 1957, Vol 17, Nr 1, pp 95 - 96 (U.S.S.R.). Reviewed: 5 / 1957 PERIODICAL: Received: 5 / 1957 Of the 6 chapters of the book the first describes the bases of the theory of rolling and calibration, classification and methods of ABSTRACT: working the rollers as well as their mechanical properties and the factors influencing the wear of calibers. In the following 4 chapters the results of the investigations on wear of the rollers by the rolling of simple and sectional iron are given. The last chapter deals with modern methods of increasing the wear resistance of rollers. An advantage of the book is the simple method suggested, which adapts itself well to existing working conditions. As the most essential factors causing wear the following are given: gliding of the metal on the roller within the deformation zone, temperature conditions during the working process, forming of a movable intermediate layer, chemical composition of the rolled metal, quality of the rollers, and the applied method of blooming. Practical recommandations for form corrections of the caliber are Card 1/2

"Wear of Rollers in Rolling Mills." given.

PA - 2389

In conclusion the reviewer refers to some deficiencies with respect to representation, i.e. to the too detailed description of experiments, the lack of camparison of the character of wear of individual calibers, the complicatedness of the method proposed for the correction of the rollers when rolling flat-bar steel, etc.

ASSOCIATION: Not given.

PRESENTED BY:

AVAILABLE:

Library of Congress.

Card 2/2

ANDREYUK, L.V., insh.-kalibrovshchik; FURMAN, Ya.B., insh.-kalibrovshchik

Rolling of grooved spring steel. Metallurg 5 no.8:20-23

Ag 160. (MIRA 13:7)

SIRAZITDINOV, N.I., inzh.; Prinimali uchastiye: SHTERMOV, M.M., kand.tekhn. rauk; FURMAN, Ya.B., inzh.

Mastering the production of lightweight sections at the Magnitogorsk Metallurgical Plant. Stal' 20 no. 7:624-628 Jl '60. (MIRA 14:5)

Magnitogorskiy metallurgicheskiy kombinat (for Sirazitdinov).
 Starshiy kalibrovshchik Magnitogorskogo metallurgicheskogo

kombinata (for Shternov).

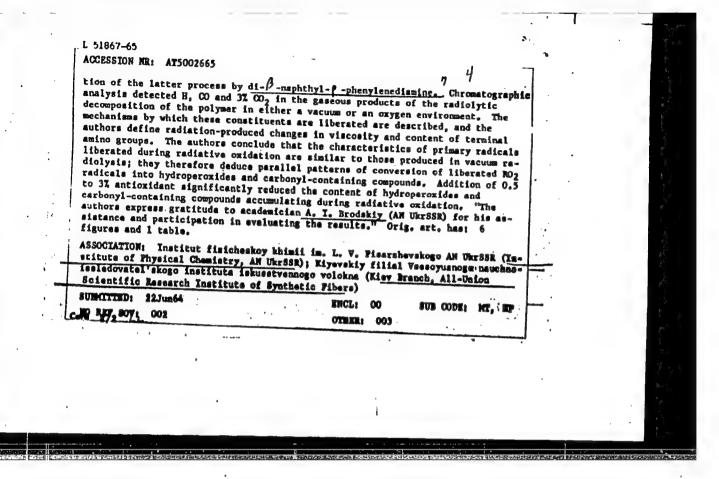
(Magnitogorsk--Rolling (Metalwork)) (Girders)

# Testing slab groowing for angle bars on 300 MMK section rolling mills. Stal' 22 no.8:739-742 Ag '62. (MIRA 15:7) 1. Magnitogorskiy metallurgicheskiy kombinat. (Rolls (Iron mills))

	$\frac{L \cdot 51867-65}{P_{B-A}/Q_{A}/Q_{A}} = \frac{EWG(j)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(c)/EWA(1)}{P_{C-A}/Q_{A}/Q_{A}/Q_{A}} = \frac{EWG(j)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(c)/EWA(1)}{P_{C-A}/Q_{A}/Q_{A}/Q_{A}} = \frac{EWG(j)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(c)/EWA(1)}{P_{C-A}/Q_{A}/Q_{A}/Q_{A}} = \frac{EWG(j)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(c)/EWA(1)}{P_{C-A}/Q_{A}/Q_{A}/Q_{A}} = \frac{EWG(j)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(c)/EWA(1)}{P_{C-A}/Q_{A}/Q_{A}/Q_{A}} = \frac{EWG(j)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(c)/EWA(1)}{P_{C-A}/Q_{A}/Q_{A}/Q_{A}} = \frac{EWG(j)/EWT(m)/EPF(m)-2/EWP(j)/T/EWA(h)/EWA(k)/EWA(k)}{P_{C-A}/Q_{A}/Q_{A}/Q_{A}} = \frac{EWG(j)/EWT(m)/EPF(m)-2/EWP(j)/T/EWA(h)/EWA(k)/EWA(k)}{P_{C-A}/Q_{A}/Q_{A}/Q_{A}/Q_{A}} = \frac{EWG(j)/EWT(m)/EPF(m)-2/EWP(j)/T/EWA(k)/EWA(k)/EWA(k)}{P_{C-A}/Q_{A}/Q_{A}/Q_{A}/Q_{A}/Q_{A}} = \frac{EWG(j)/EWT(m)/EPF(m)-2/EWP(j)/T/EWA(k)/EWA(k)/EWA(k)}{P_{C-A}/Q_{A}/Q_{A}/Q_{A}/Q_{A}} = EWG(j)/EWT(m)/EW$	,
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·	AUTHOR: Fomenko, A. S.; Kotorlenko, L. A. Abramova, T. H.; Dar'yeva, E. P.; 43 Galina, A. A.; Furman, Ye. G.	·
	TITLE: Participation of free radicals in the radiative oxidation of polycapro-	
	SOURCE: AN UkrSSR. Institut khimii wysokomolekulyarnykh soyedinenty. Sintez 1	4.3
	skikh rabot (Synthesis and physical chemistry of polymers; collection of articles on the results of scientific research work). Kiev, Maukova dumka, 1964, 103-109	•
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	TOPIC TAGS: polycaprolectam oxidation, gamma irradiated polymer, radiative oxida- tion, free radical, antioxidant, EFR spectrum, polymer film, hydroperoxide libera-	
	tion polymer lim, mydroperoxide libera-	
	ABSTRACT: Variations in the electron paramagnatic resonance spectra from irradia-	
	ted (Co <sup>60</sup> , 30C, vacuum, 2-10 <sup>4</sup> to 200-10 <sup>6</sup> joule/kg) polycaprolactae films (from acteate solutions, 10-12-10 <sup>-6</sup> m) in relation to temperature, radiation dose and	-
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	cals, their participation in the radiative exidation of a polymer and the inhibia	-
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ACCESSION NR: AP4033700

8/0073/64/030/004/0376/0384

AUTHOR: Fomenko, A. S.; Abramova, T. M.; Dar'yeva, E. P.; Galina, A. A.; Furman, Ye. G.

TITIE: Oxidative destruction of polyamides. II. Participation of free radicals in the radiolysis and radiation oxidation of polycaprolactam.

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 30, no. 4, 1964, 376-384

TOPIC TAGS: polyamide, polycaprolactam, caprolactam oligomer, oxidation, free radical formation, radiolysis, radiation oxidation, EPR spectra, C N bond rupture, hydroperoxide formation, IR spectra, antioxidant, viscosity, cross linkage

ADSTRACT: The free radicals formed by irradiation of polycaprolactam with cobalt60, their function in the radiation oxidation of polycaprolactam, and the inhibiting action of an antioxidant were investigated. The electron paramagnetic resonance spectra of polycaprolactam and caprolactam oligomers irradiated with cobalt60, and the effects of temperature, radiation dose and presence of oxygen on the
changes in these spectra are described. The gaseous products of polycaprolactam
radiolysis in vacuum are hydrogen and carbon monoxide in a 3:1 ratio and about

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3% CO2. The amount of terminal amino groups almost doubled on irradiation; with a 22 mrad dose this corresponded to the rupture of 1% of the C-N bonds in the polymer. The viscosity of the polymer also changes on irradiation -- with 8 mrad irradiation the viscosity decreased during the first 30 hours, then increased, apparently due to the formation of cross-linked structures. The accumulation of hydroperoxide in polycaprolactam on gamma-irradiation in oxygen, the effect of radiation dose, the changes in terminal amino and carboxyl groups and the viscosity of the polymer were examined. H2:CO ratio in these products was 2:1; terminal NH2 and COOH groups increased at doses below 15 mrad and decreased above that. These data agree with changes in the IR spectra of the irradiated polycaprolactam. It is concluded that the RO2 radical formed by radiation oxidation is converted to the hydroperoxide and carbonylcontaining compounds by a parallel route. Addition of 0.5-3% antioxidant di- \(\beta\)-naphthyl-p-phenylenediamine to the polymer does not affect the form of the EPR spectra or concentration of free radicals formed by gamma-irradiation; but this additive significantly lowers the amount of hydroperoxide and carbonylcontaining compounds formed by radiation oxidation. "N. S. Oleynik and M. T. Kozhura took part in the experimental work."... "The authors thank AN USSR academician A. I. Brodsko for help in the work and participation in its evaluation, and also

coworkers in the electr spectra and help in eva l table.	on paramagnetic resonance labor luating the spectral data." Or	ratory for obtaining EPR rig. art. has: 6 figures and
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AP4040955

s/0020/64/156/005/1147/1149

AUTHOR: Brodskiy, A. It Fomenko, A. S.; Abramova, T. M.; Furman, Ye. G. Dar'yeva, E. P.; Kukhtenko, I. I.; Galina, A. A. TITLE: EPR spectra of radicals formed during gamma irradiation of polyamides

SOURCE: AN SSSR. Doklady\*, v. 156, no. 5, 1964, 1147-1149

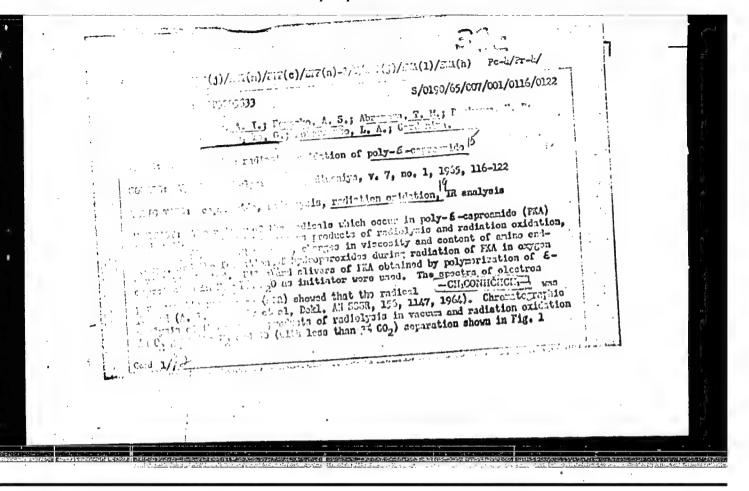
TOPIC TAGS: electron paramagnetic resonance, EPR spectra, EFR radical spectra, polyamide, polyamide gamma irradiation, hexamethylene adipemide, poly-omega-undecane amide, deuterium, caproamide

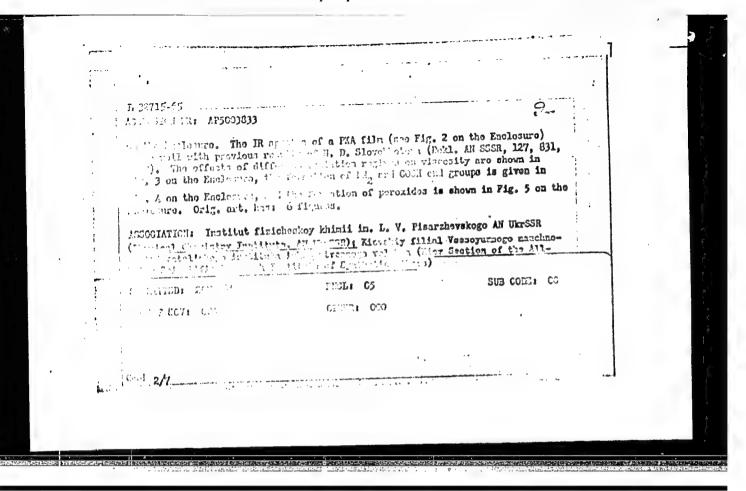
ABSTRACT: The authors conducted this analysis because the literary data pertaining to the structure of radicals formed under the effects of irradiation are contradictory. The EPR spectra of poly-6-caproamide were recorded. The irradiation and ERR spectra recording was taken at room temperature. The ERR spectrum of the gamma-irradiated poly-a-caproamide is an incompletely resolved quintet 1 : 2 : 2 : 2 : 1 with an average width of 74 oersteds between the extreme maxima. The cleavage between the extreme pairs of lines 1-2 and 4-5 is 21 cersteds. This is 1.55 times less than the cleavage between the lines 2-4. This spectrum corresponds to a -CH -CO-NH-CH-CH - radical in which the unpaired card 1/3

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electron interacts with one α-hydrogen and two equivalent β-hydrogens. The -CO-CD -(CH ) -CD -NH- sample with deuterium in the two CH; groups neighboring the carbonyl and NH groups yields a fully resolved 1 : 2 : 1 triplet with a splitting of ag= 28 cersteds, and with a general width of 56 cersteds between the extreme maxime. This spectrum corresponds to a -CD2-CO-NH-CD-CH2- radical. The spectra of irradiated polyamides containing 8 and 10 CHg groups in the monomer unit show incompletely split 1:3:3:1 quadruplets with identical 21 oersted cleavages. The spectrum for an irradiated completely-crystalline hexamethylene adipemide COOH-(CH2),-CO-NH-(CH2)6-NH2 is a satisfactorily resolved 1:2:2:2:1 quintet with a general width of 84 cersteds between the extreme maxim and with  $a_{\beta}=21$  oersteds and a  $a_{\beta}=2.0$ . It corresponds to a redical in which the hydrogen splits off from the Ch2 group in the p-position to the NH, just as in the poly- .caproamide radical. The irradiated .-caprolactam monomer produces a poorly resolved spectrum. When deuterium is introduced into the methylene groups of the nondeuterated and deuterated caprolactam in the NH group a sharp changer in the spectrum shape can be observed. The spectrum of the CO-CD2(CH2)3CD2ND sample is not as well resolved probably on account of the participation of the NH group hydrogen in the cleavage. This spectrum can evidently also be examined as a quadruplet with intensity ratio of 1; 1:1:1. Orig. art. has: 3 figures. Card, 2/3

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The Mechanism of action of di-A-naphthyl-p-phenylenediamine during radiation of polycaproamide formed during the process of radiation-induced ordation of polycaproamide (II) was investigated, and the yield of gaseous and sermined. The changes of the content of terminal NF2 groups, viscosity, and IR ealso studied. The methods, involving ESR, chromatographic, chemical, and IR	L 24491-66 EPF(n) -2/FUM(-)	
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C. G. Moramova, T. M.; Dar yeva, E. P.; Galina, A. A.; Purman, G.; Institute of Physical Chemistry im. L. V. Pisarshevskiy (Institut fisicheskoy inimit)  TLE: Mechanism of action of di-G-naphthyl-p-phenylenediamine during radiation of polycaproamide  URCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 2, 1966, 261-266  PIC TAGS: polyamide, free radical, oxidation kinetics  STRACT: The effect of di-S-naphthyl-p-phenylenediamine (I) upon the kinetics of composition of free radicals formed during the process of radiation-induced gen-containing products of radiation-induced oxidation of the polymer was cermined. The changes of the content of terminal NF, groups, viscosity, and IR e also studied. The methods, involving ESR, chromatographic, chemical, and IR	A SOURCE CODE: UR/0100/cc/	000 /000 /0-4
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bonds during a oxidation of I during radiati compared with I is offered.	studies, were property as A. A. Galina, ished that I has radiolysis of II, II. The amount of the untreated II Orig. art. has:	no effect upon he but does affect f peroxy carbony II stabilized with A possible me 1 table, 6 figures.	reaking of the C-N and C-CO 1 and carboxyl th I is conside than is m for the Fee. and 4 and	C-H, C-N, an bonds during	76, 1964). d =C=CO= radiation	
SUB CODE: 07,	11/ SUBM DATE:	05Mar65/ ORIG	REF: 007			
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Gurd 2/2 (8)	•	•	•		.	

EWT(m)/EWF(f)/T IJP(c) JWD/GG/RM L 35343-66 SOURCE CODE: UR/0190/66/008/004/0770/0770 A.CC NR: AP6012725 AUTHOR: Fomenko, A. S.; Krasnov, Ye. P.; Abramova, T. M.; Dar'yeva, E. P.; Furman, Ye. G.; Galina, A. A.. OHG: none TITLE: Radiation resistance of isomeric aromatic polyamides SCURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 4, 1966, 770 TCPIC TAGS: radiation stability, aromatic polyamide, aliphatic polyamide, gamma irradiation, radiation resistance ABSTRACT: The integral dose required for the accumulation of 1.1014 radicals in γ-irradiation of aromatic polyamides is shown to be one order higher than for aliphatic polyamides. The radiation yields of hydrogen during polymer irradiation are two orders lower than for aliphatic polyamides. There were no changes in IRspectra and thermomechanical properties of samples y-irradiated in vacuo and in the A presence of oxygen. This proves the high radiation stability of aromatic polyamides. [Based on author's abstract.] [AM] SUB CODE: 20, 11/ SUBM DATE: 22Nov65/ ORIG REF: 002 UDC: 678.01:54+678.675

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090-05 ENT(m)/ENP(j)/T IJP(c) GG/RM	
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UTHOR: Brodskiy, A. I.; Fomenko, A. S.; Dar'yeva, E. P.; Abramova, T. M.; G.	alina
. A.; Furman, Yo. G.	
RG: Institute of Physical Chemistry im, L. V. Pisarzhevskiy, AN UkrSSR(Institute)	tut
izicheskoy khimii AN UkrSSR)	
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ITLE: Gas evolution during the radiative-oxidative degradation of poly-{-ca	proamide;
OURCE: Ukrainskiy khimicheskiy zhurnal, v. 32, no. 6, 1966, 549-554	
A LAND LAND AND A CONTRACT OF THE PROPERTY OF	ne redie
OPIC TAGS: polyamide, oxidative degradation, hydrogen, carbon monoxide, game	
tion, radiation effect	
BSTRACT: Chromatographic analysis was used to find the radiation yields of	hydrosen
nd carbon monoxide, the main gaseous products of the radiolysis and radiativ	e oxi-
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hat the effect of this combined action on $G_{ m H_2}$ and $G_{ m CO}$ diminishes with incres	sing
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upc: 678.01:54+678.675	

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med du	med during radiati	med during radiative oxidati	med during radiative oxidation. Orig.		med during radiative oxidation. Orig. art. has: 6 f	med during radiative oxidation. Orig. art. hast 6 figures and	atioxidant di-β-naphthyl-p-phenylenediamine does not change GH, during a and radiative oxidation, but markedly reduces the amount of Carbon mon-med during radiative oxidation. Orig. art. has: 6 figures and 3 tables.  O7/ SUBM DATE: 31Jan64/ ORIG REF: 006

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LOYGZALITS, A.I., nauchnyy sotrudnik; FURMAN, Yo.I., nauchnyy sotrudnik; LOYGZALITS, A.I., nauchnyy sotrudnik; TIMOSHPOLISKIY, M.N., redaktor: ANDREYEV, S.P., tekhnicheskiy redaktor.

[Time norms for the repair of crane equipment] Normy vremeni na remont kranovogo oborudovaniia. Khar'kov, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii. Pt.2 [Special cranes for steelsmelting and rolling shops; stripping cranes, pit cranes and claw cranes] Spetsial'nye krany staleplavil'nykh i pro-katnykh tsekhov; kran dlia razdevaniia slitkov, kolodtsevyi kran i kran s lapami. 1954. 311 p. (MIRA 8:4)

 Russia (1923- U.S.S.R.) Ministerstvo chernoy metallurgii. (Granes, derricks, etc.)

S/125/61/000/007/012/013 D040/D113

AUTHORS:

Furman, Ye.I. and Khalippa, M.

TITLE:

The First Soviet Central Asian scientific research confer-

ence on welding

PERIODICAL:

Avtomaticheskaya svarka, no. 7, 1961, 92-95

TEXT: The I Sredneaziatskaya nauchno-tekhnicheskaya konferentsiya po svarke (First [Soviet] Central Asian Scientific Research Conference on Welding) organized by the GNTK Soveta Ministrov Uzbekskoy SSR (GNTK of the Council of Ministers of the Uzbekskaya SSR), Institut elektrosvarki im. Ye.O.Patona (Electric Welding Institute im. Ye.O.Paton), Sovnarkhoz Uzbekskoy SSR (Sovnarkhoz of the Uzbekskaya SSR), and the GNTK of the Councils of Ministers of the Kirgizskaya SSR, Tadzhikskaya SSR and Turkmenskaya SSR, was held from March 15-18, 1961, in Tashkent. The conference was attended by 500 delegates including welding specialists from Soviet scientific research institutes. Sixteen reports were heard, 15 are listed below together with a brief summary of the subjects discussed: (1) B.Ye.Paton, Academician AS UkrSSR, and Director of the Electric Welding Institute im. Ye.O.Paton reported on the increase in the mechanization level of welding in the USSR between 1958 and 1960, due to extensive use of automatic submerged arc welding, electro-gas welding etc. Card 1/5

The First Soviet Central Asian .... S/125/61/000/007/012/013 D040/D113

He also spoke of the application of new welding methods, such as electron beam, plasma arc, ultrasonic, friction, cold welding etc.; (2) T.G. Kagramanov, Deputy Chairman of the GNTK of the Council of Ministers of the Uzbekskaya SSR, reported on the introduction of welding technique in industry and stated that the volume of welding work carried out in the machine industry of the Uzbekskaya SSR in 1958 is to be more than doubled by 1965 and he also stated that a welding laboratory had been organized in 1960 at the Gosudarstvennoye konstruktorsko-tekhnologicheskoye byuro sovnarkhoza Uzbekskoy SSR (State Design and Technological Office of the Sovnarkhoz of the Uzbekskaya SSR): (3) V.Ya. Timoshenko, Chairman of the GNTK of the Council of Ministers of the Kirgizskaya SSR, outlined the present state and prospects of development of welding in the republic and stated that the annual volume of welded structures had to reach 51,000 tons by 1965. It was also reported that centralized production of large welded structures had been organized at the "Frunzemash" Plant and that repair plants were using the vibration resistance surfacing method; (4) N.R. Rakhimov, Chairman of the GNTK of the Council of Ministers of the Tadzhikskaya SSR, reported that the level of welding mechanization in the republic at the present time is 20% and that it has to reach 60% by 1965. The following points were also mentioned: A semiautomatic line for welding reinforcement is in operation at the Stalinabadskiy zavod zhelezobetonnykh konstruktsiy (Stalinabad Reinforced Concrete Structures Plant); Card 2/5

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S/125/61/000/007/012/013 D040/D113

automobile repair plants are using accumulator welding for surfacing worn parts; cold welding of aluminum and copper electric wire is being used; (5) B.A. Chernyshev, Chairman of the GNTK of the Council of Ministers, Turkmenskaya SSR, said that the mechanization of welding in the metalworking industry in the republic has to be increased from 4% in 1960 to 45% in 1965; (6) D.A.Dudko, Candidate of Technical Sciences, of the Electric Welding Institute im. fe.O. Paton reported on the development of Soviet welding processes and mentioned that the welding speed in the submerged arc process can be increased to 200 m/hr or more; (7) I.I.Frumin, Doctor of Technical Sciences, of the Electric Welding Institute im. Ye.O.Paton discussed various methods of mechanical surfacing and mentioned the importance of the application of tape electrode, powder wire and tape, and vibro-arc surfacing; (8) A.P. Sushchenko, Candidate of Technical Sciences, of the Tashkentskiy institut inhenerov zheleznodorozhnogo transporta (Tashkent Institute of Railroad Transportation Engineers) reported on "Automatic surfacing of hard alloys on workpieces of variable cross-section in serial production", and mentioned an automatic multi-electrode submerged -arc process that has been used for wedge-shaped parts; (9) V.I. Novikov, Candidate of Technical Sciences, of the Electric Welding Institute im. Ye.O. Paton) discussed the fundamental principles in the design and planning of welded structures; (10) B.M.Aleksandrov, Engineer, spoke on the rate of mechanization of welding processes; (11) N.I.Kushnir, Engineer, reported on the practical applica-Card 3/5

The First Soviet Central Asian ....

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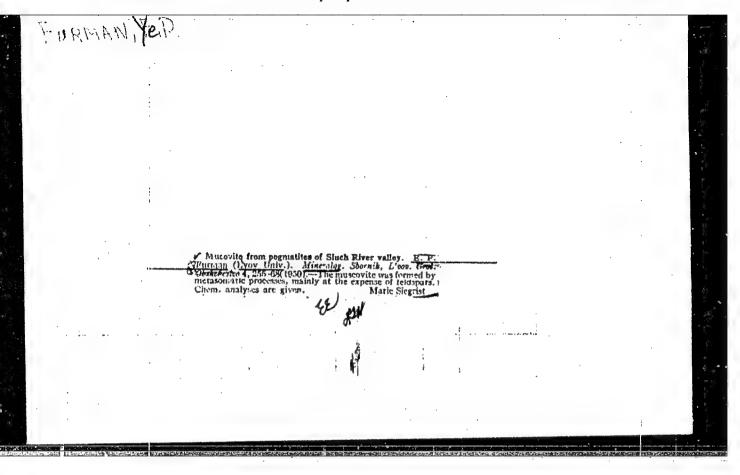
tion of cast iron welding and experience in selecting methods of repairing cast iron parts. He also described methods of welding-up flaws with copper-steel rods, 44 (TsCh4) electrodes etc; (12) S.M.Gurevich, Candidate of Technical Sciences, of the electric welding Institute im. Ye.O.Paton described the basic methods for welding nonferrous metals and their alloys, and the latest welding equipment used for this purpose; (13) N.Ya.Kochanovskiy, Candidate of Technical Sciences (VNIIESO), described modern welding equipment developed at VNIIESO; (14) A.I.Chvertko, Candidate of Technical Sciences, reported on machine welding and surfacing equipment developed at the Electric Welding Institute im. Ye.O.Paton; (15) A.N.Shashkov, Candidate of Technical Sciences, Director of VNIIAvtogen, reported on "Modern development of the technology of gas-flame treatment of metals". The decisions of the conference concerned the further development of the welding industry, the mechanization of labor-consuming work and the comprehensive mechanization and automaticn of technological processes at enterprises and construction sites in Soviet Central Asia. At an exhibition of achievements in welding technique organized for the Conference, exhibits of the "Uzbekkhimmash" Plant, including a unit for welding annular seams on large workpieces, and a modernized TC-17 My (TS-17Mu) Welding "Tractor" for annular seams, were shown. Engineers V.V.Bychkov and K.V.Smol'skiy of "Uzbekkhimmash" are mentioned in connection with these developments. The Tashkentskiy ekskavatornyy zavod (Tashkent Excavator Plant) demonstrated flexible rod de-Card 4/5

The First Soviet Central Asian ....

S/125/61/000/007/012/013 D040/D113

signed to increase the range of operation of semiautomatic devices and the "Tashsel'mash" Plant exhibited an MIN-75 (MTP-75) spot welder with a throttle ficture for welding sheet steel without removing scale. There are 3 figures.

Card 5/5



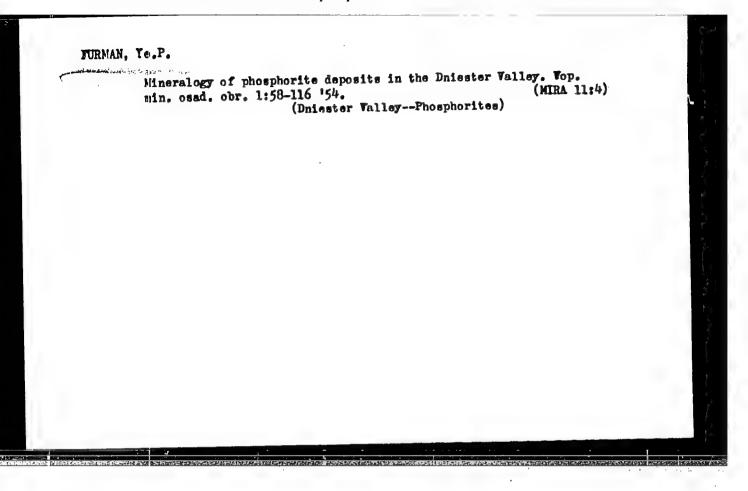
FURMAN, YE. P.

"Mineralogy of the Phosphorite Deposits of Pridnestrov'ye."

Cand Geol-Min Sci, L'vov State U, L'vov, 1954. (RZhGeol, Feb

55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)



FURIAN, Ye.3., inzh.

How to achieve better organization of the centralized pickup and delivory of freight. Zhel.dor.transp. 43 no.4:55-58 Ap '61.

(Railroads—Freight)

(Railroads—Freight)

POVOROZHENKO, Vladimir Vasil'yevich; SITNIK, Mikhail Danilovich; FURMAN, Yevgeniy Sergeyevich; SHAFIRKIN, B.I., inzh., retsenzent; FERAPONTOV, G.V., inzh., red.; VOROB'YEVA, L.V., tekhn. red.

[Common carrier and freight forwarding services on railroads] Transportno-ekspeditsionnoe obsluzhivanie na zheleznykh dorogakh. Moskva, Transzheldorizdat, 1962. 146 p. (MIRA 16:1)

(Freight and freightage)

 Interaction of railrand and automotive transportation in case of centralized freight delivery. Trudy MIIT no.146:180-207
162. (MIRA 15:12)

(Freight and freightage)

DEM'YANKOV, N.V., kand. tokhn. nauk; YURWAN, Ye.S., kand. tekhn. nauk

Ice molds made from glass-plastics. Zhal. dor. transp. 47 no.3z
(MIRA 18:5)

85 Mr '65.

FURMAN, Yu.O.

Repeated ulcerous perforations of the stomach and duodenum. Sov. med. 25 no.10:115 0 161. (MIRA 15:1)

1. Iz khirurgicheskogo otdeleniya (zav. Yu.O.Furman) 1-y gorodskoy bol'nitsy Nizhnego Tagila (glavnyy vrach - zasluzhennyy vrach RSFSR N.A.Farberov).

(PEPTIC ULCER)

Treatment of stenocardia with bilateral ligature of the intrnal thoracic arteries. Kaz.med. zhur. no.1:64-65 Ja-F'63. (MIRA 16:8)

(ANGINA PECTORIS)

#### FURMAN, Yu.O.

Remote results of suturing perforated ulcers of the stomach and duodenum. Kaz.med. zhur. no.3:76-77 My-Je 63.

(MIRA 16:9)

1. l-ye khirurgicheskoye otdeleniye (zav. - Yu.0.Furman)

1. 1-ye khirurgicheskoye otdeleniye (zav. - Yu.O.Furman)
1-y gorodskoy bal'nitsy Nizhnego Tagila (glavnyy vrach N.A.Farberov).

(PEPTIC ULCER) (SUTURES)

FUHMAN, Yu.O.

Resorption of an embolus of the aortic bifurcation during the anticoagulant treatment. Kaz. med. zhur. 4:52-53 Jl-Ag'63 (MIRA 17:2)

1. Khirurgicheskoye otdeleniye ( zav. - Yu.O.Furman) 1-y gorodskoy bol'nitsy (glavnyy vrach - N.A.Farberov) meditsin-skoy sanitarnoy chasti Ural'skogo vagonostroitel'nogo zavoda Nizhnego Tagila.

FURMAN, Yu.O.

Surgical treatment of acute cholecystitis. Kaz. med. zhur. no.5:17-19 S-0:63 (MIRA 16:12)

1. Khirurgicheskoye otdeleniye (zav. - Yu.O.Furman) 1-y go-rodskoy bol'nitsy Nizhnego Tagila (glavnyy vrach - N.A. Farberov).

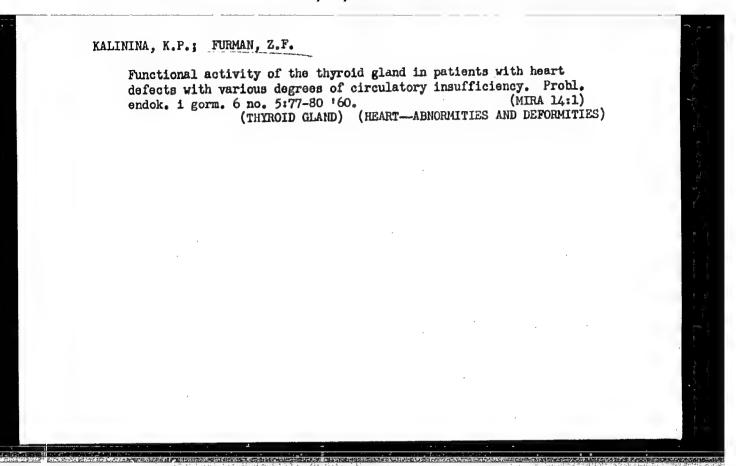
Optimal oxygen content in rimmed steel in relation to the rate and method of pouring. Stal' 25 no.7:613-614 Jl '65. (MIRA 18:7)

1. Institut UkrNIIspetsstal'.

MARAKHOVSKIY, I.S.; GURSKIY, G.L.; FURMAN, Yu.S.; SHCHASTNYY, F.M.

Deoxidation of O8xp steel with fast bottom pouring, Metallurg 10 no.7:26-27 Jl 165. (MIFA 18:7)

1. Zavod "Zaporozhstal" i institut "UkrNIIspetsstal".



FELISTOVICH, N.B. (Lutsk, Volynskoy obl., L'vovskaya ul., d.82-a);
MUDRIK, V.A.; FURMANCHUK, A.A.

Invalidism due to industrial injuries of miners in the Lvov-Volyn' coal basin and measures for its decrease. Ortop., travm. i protez. 26 no.8:57-61 Ag '65. (MIRA 18:9)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny (zav.- prof. A.A. Garash'yan) Ivano-Frankovskogo meditsinskogo instituta (rektor - prof. G.A. Babenko) i mediko-sanitarnoy chasti (nachal'nik - A.A. Furmanchuk) tresta "Novovolynskugoli".

FURMANCHUK, V.M.

Bilateral resection of the lungs in bronchoesophageal fistula.

Vest. khir. 92 no.6:120-121 Je 164. (MIRA 18:5)

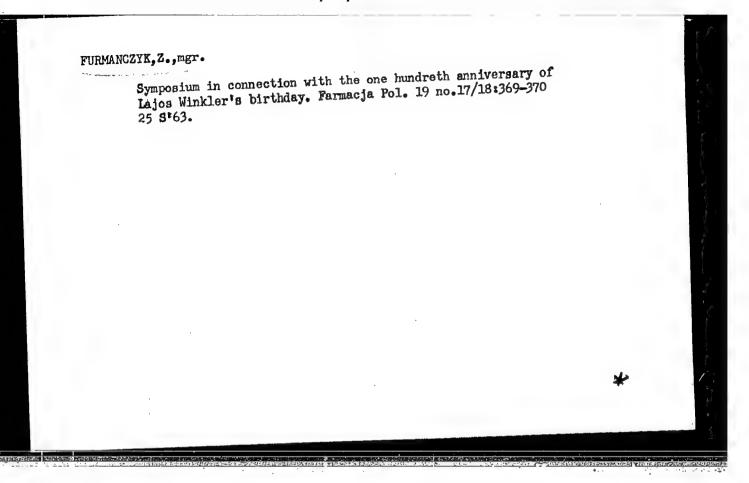
1. Iz l-y khirurgicheskoy kliniki usovershenstvovaniya vrachey (nachal'nik - prof. P.A. Kupriyanov [deceased]). Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

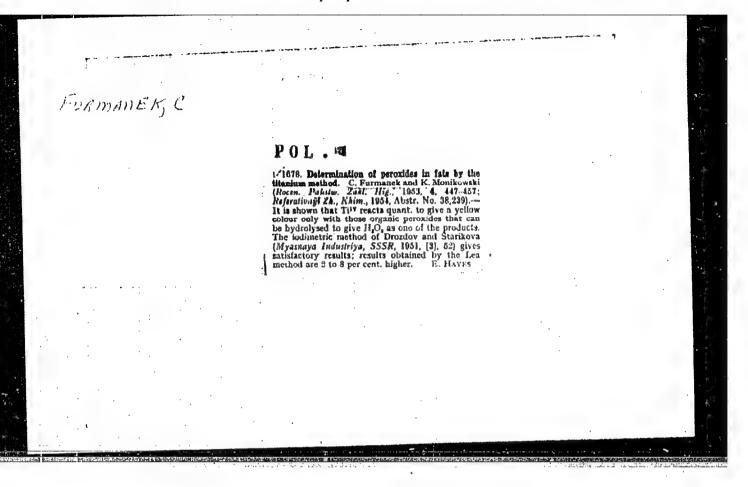
WISNIEWSKI, Wladyslaw; FURMANCZYK, Zdzislaw

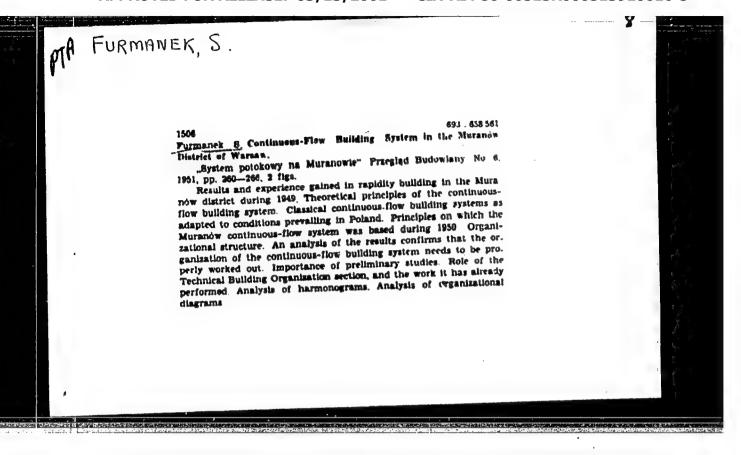
A method for the determination of novocaine in aqueous solutions

A method for the determination of hovedains in aqueous solutions partially decomposed by hydrolysis. Acta pol. pharm. 28 no.5: 415-421 161.

1. Z Zakladu Farmacji Stosowanej Akademii Medycznej w Warszawie Kierownik: prof. dr Wl. Wisniewski. (PROCAINE chem)







# "APPROVED FOR RELEASE: 03/13/2001

#### CIA-RDP86-00513R000513910016-5

urmanenko, n. i.		PA 7/49T76	
	USSR/Mining Equipment Conveyers	Aug 48	
	"First Reported Results of the Performance of STR-30 and STP-30 Scraper Conveyer for Automatic Coal Loading at Denbass Mines," V. G. Yatshikh, Cand Tech Sci, N. I. Furmanenko, A. Ye. Demohenko, Kngineers, Bureau for Mech of DonUGI, 11 pp		
	Describes operation of conveyers and Lists advantages and disadvantages.	i method of use.	
		7/49176	

20740. Y tskikh, B. G., Furmanenko, N. I., i Denchenko, A. Ye. I mwyo mamilisty primenenja mech hogyh skretkovykh konverov TIR-30 dlys semmavalki uglys. Rakety DENUGI (Donetaki nauch.-Issled. ugolinyy in-T), st. 5, 1347, s. 37-41

SO: LYTOPIS DHURNAL STATFY - 701. 28, Meskva, 1344

FUENAMENKO, N., inshener.

Breaking off coal in longwall mining with a KN-1 cutter-loader.

Mast.ugl. 5 no.5:13-14 My '56. (MLRA 9:8)

(Donets Basin--Coal mining machinery)

FURMANENKO, N., inzhener.

The operation of SKR-11 conveyers with two drives. Mast. ugl. 5 no.7:6-7 J1 '56. (MIRA 9:9)

(Coal handling machinery)

KOMAROV, N.I., inzhener; POVOLOTSKIY, I.A., inzhener; FURMANENKO, N.I., inzhener; YATSKIKH, V.G., inzhener.

Testing the KW-1 and KN-2 coal cutter-loaders. Mekh.trud.rab.10 no.4: 33-36 Ap '56. (Ceal mining machinery) (MLRA 9:7)

FOR MANENCE.

FURNAMENTO, N., inshener.

The IMEP-1 winch. Mast.ugl. 6 no.9:21-22 S '57. (MIRA 10:11)

(Winches)

FURMANENKO, N. I.

Upraise boring by BVU boring machines. Ugol' 34 no.2:42-43 F '59. (MIRA 12:4) (Donets Basin-Boring machinery)

SHCHERBAN', O.N.; FURMAN, N.I. Industrial IM-2 apparatus for the continuous automatic analysis of mine gas. Sbir. prats' Inst. hir. spravy AN URSR no.6:74-87

(MIRA 13:9)

(Gases--Analysis) (Mine gases)

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